APPARATUS AND METHOD FOR ESTIMATING MOVEMENT IN MOVING IMAGEPROCESSING

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Abstract of JP 9168152 (A)

PROBLEM TO BE SOLVED: To improve the performance for motion estimetion by combining a globel motion estimate system with a local motion estimation system. SOLUTION: A global motion estimation (EVG) section 103 applies an EVG method to an object received via a video image input section 101 end an object mask output section 102 to estimate a motion. A local area selection section(LAS) 104 divides the EVG area based on an output of the object mask output section 102 to select an estimate area for a local motion estimate (EVL). A 1st EVL section 105 applies the EVL method by using, e.g. a 6-parameter model to an output of the LAS 104 thereby estimating the motion. A 2nd EVL section 106 applies the EVL method by using, e.g. an independent 2-parameter model to the output of the LAS 104 thereby estimating the motion. A control section 107 selects an output offering more excellent estimate performance from outputs of the 1st and 2nd EVL sections 105, 106.